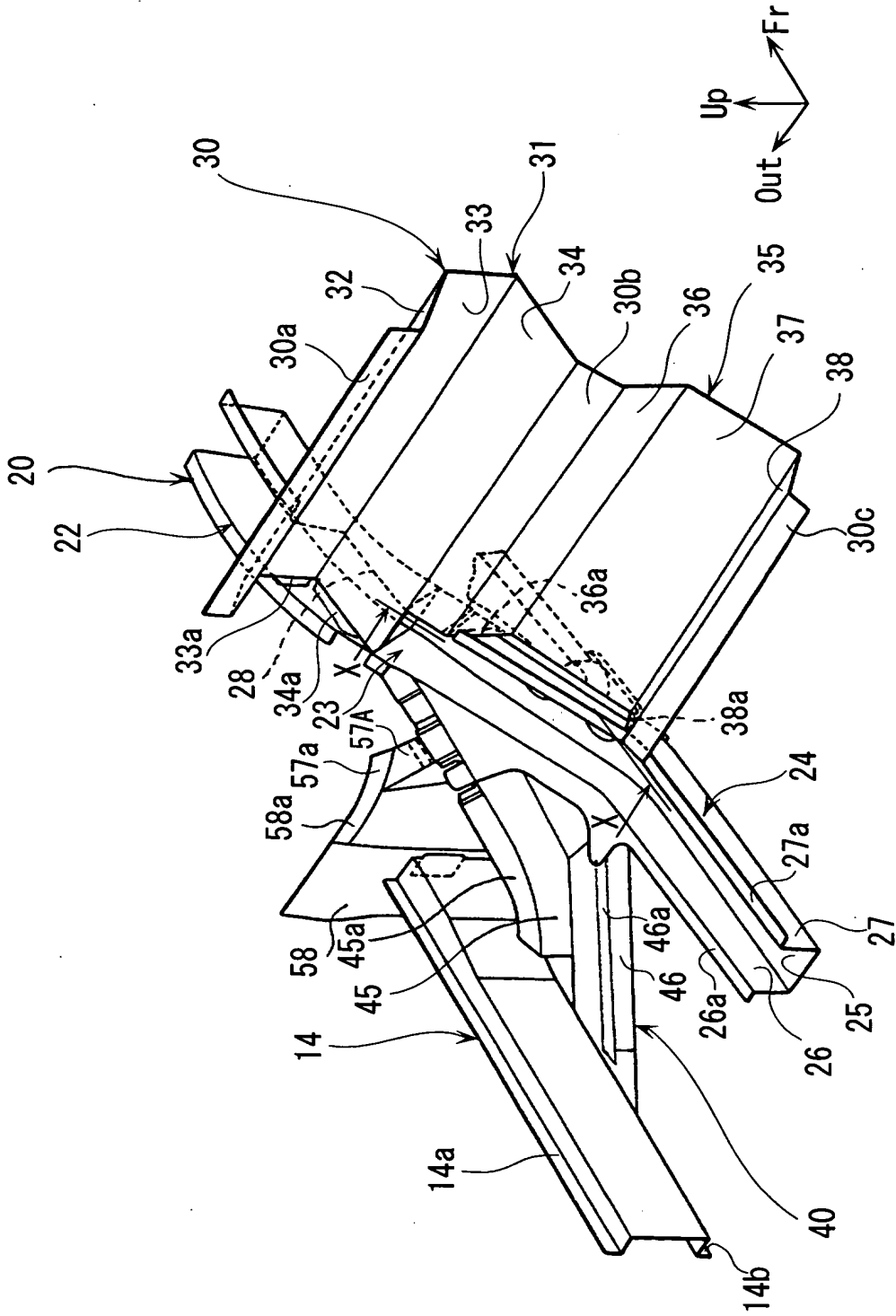


FIG. 1



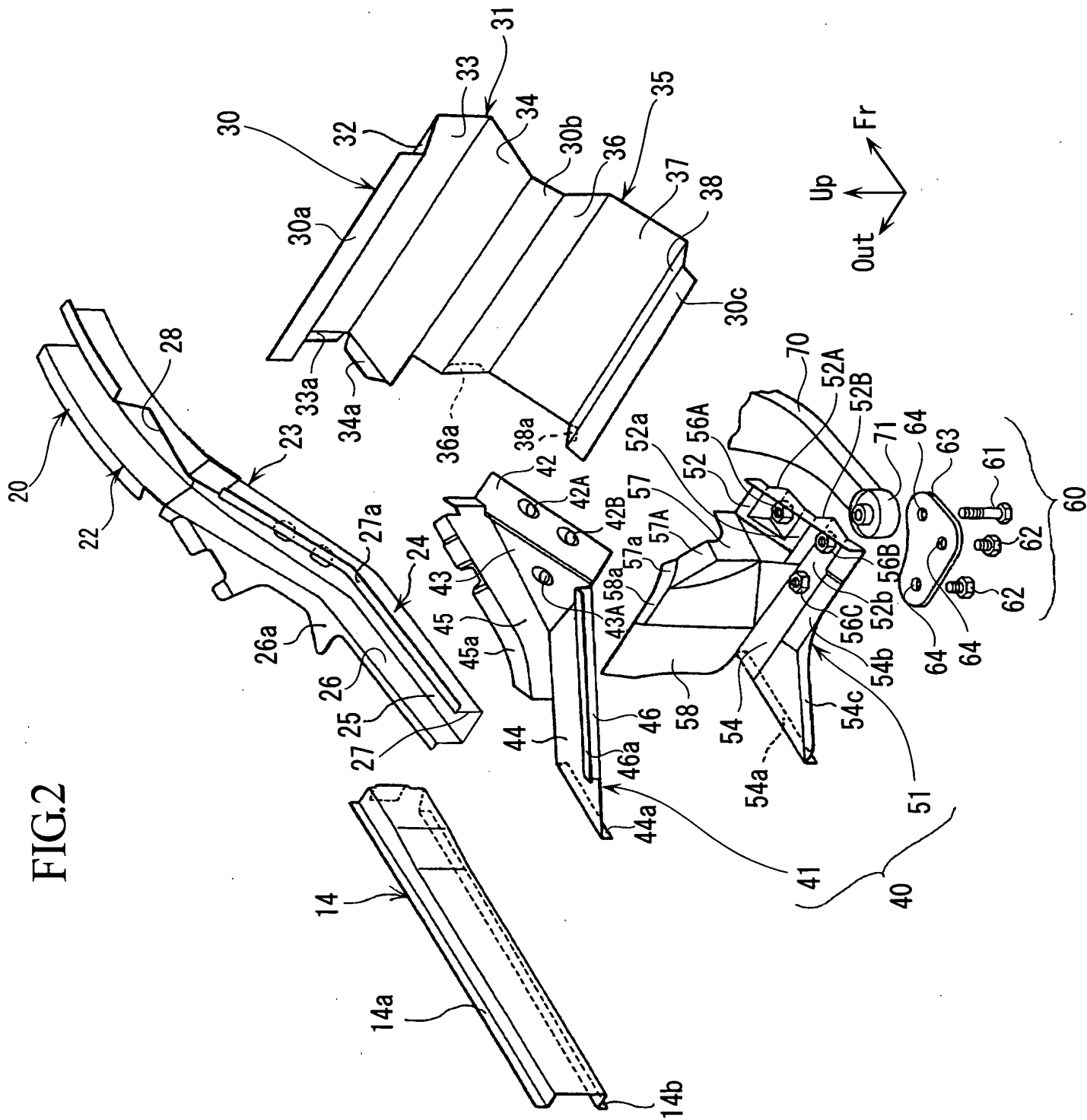


FIG. 1 is a cross-sectional view of a vehicle body assembly, specifically focusing on a front door hinge mechanism. The diagram shows a door panel (22) connected to a hinge arm (23). The hinge arm is mounted to a fixed frame (70) via a complex hinge assembly (60). Key components include: upper hinge bracket (24), lower hinge bracket (36a, 36b), hinge pin (40) with ends (41, 51), hinge bushings (42A, 42B), hinge pins (52A, 52B), hinge arms (56A, 56B), and mounting plate (70) with features (71, 72, 73, 74). Various nuts and washers (61, 62, 63, 64) are used to secure the assembly. Dashed lines (30a, 30b, 30c) indicate the range of motion or specific positions of the door panel. A coordinate system at the bottom indicates 'Up' (vertical) and 'Fr' (horizontal) directions.

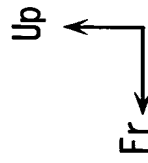


FIG.4

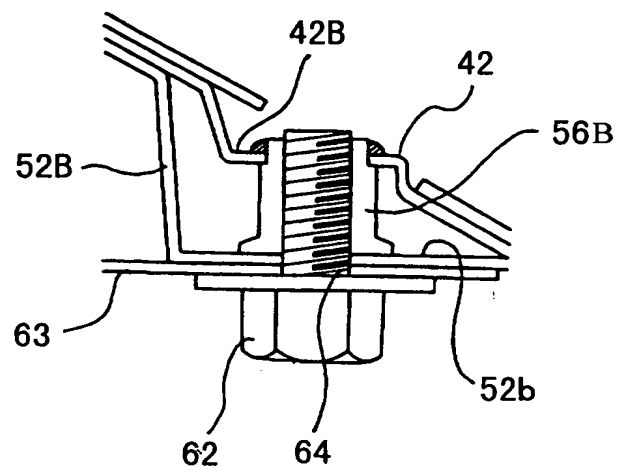




FIG.6A

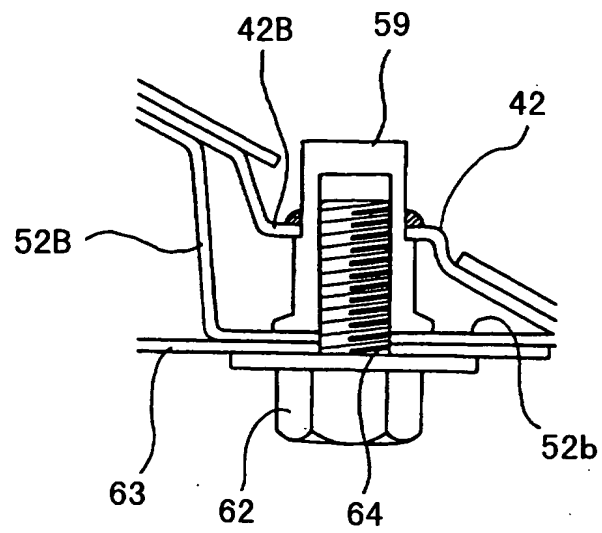


FIG.6B

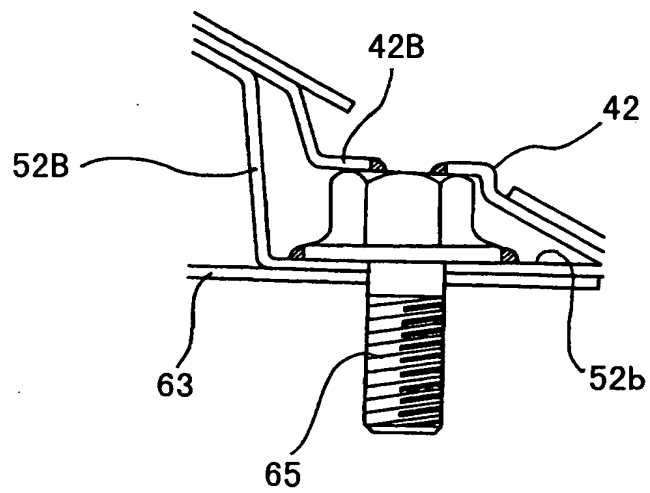


FIG.7A

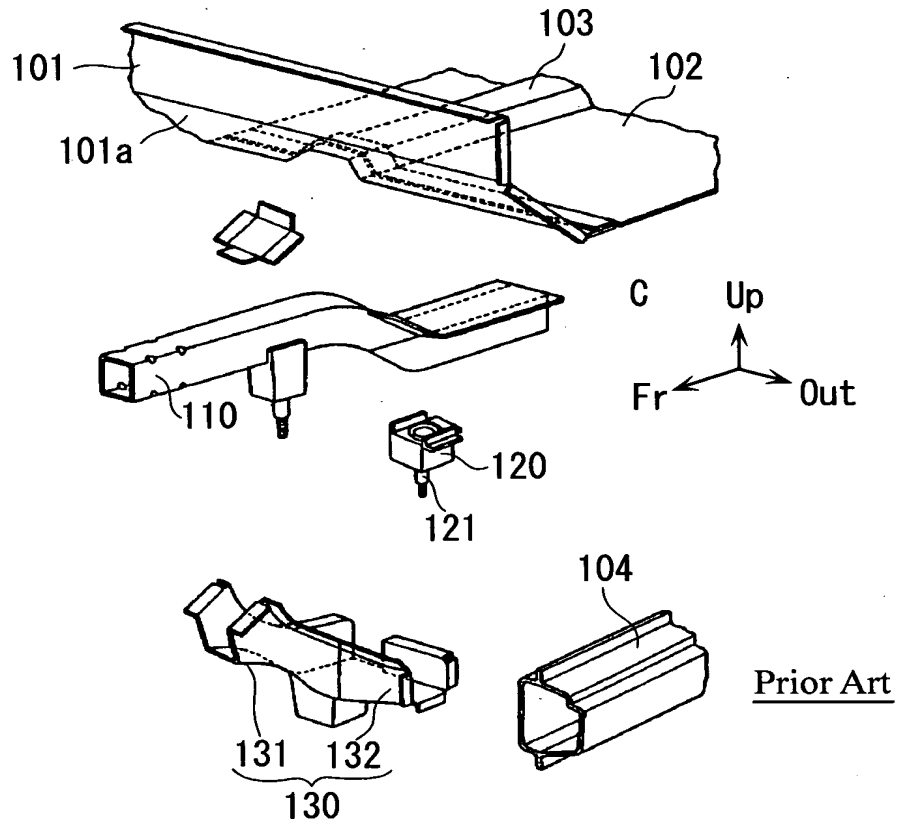


FIG.7B

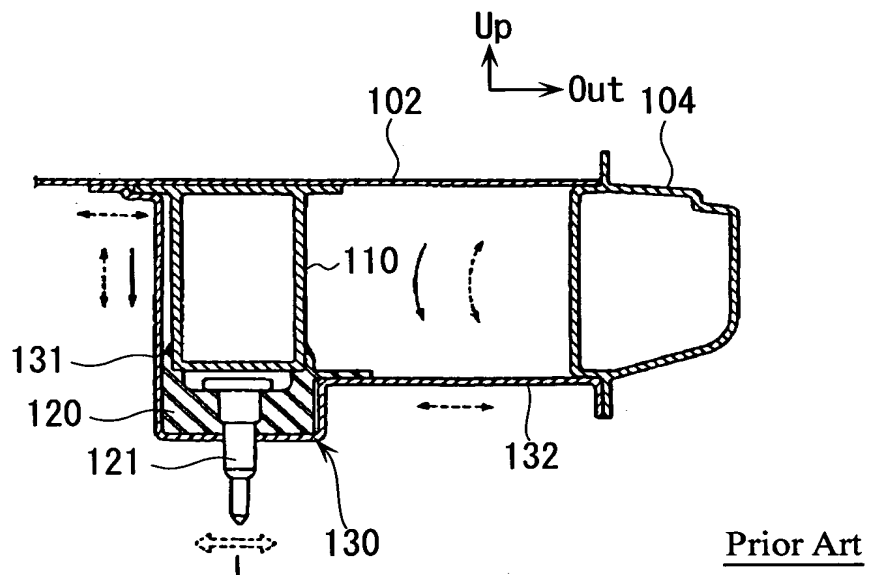


FIG.8A

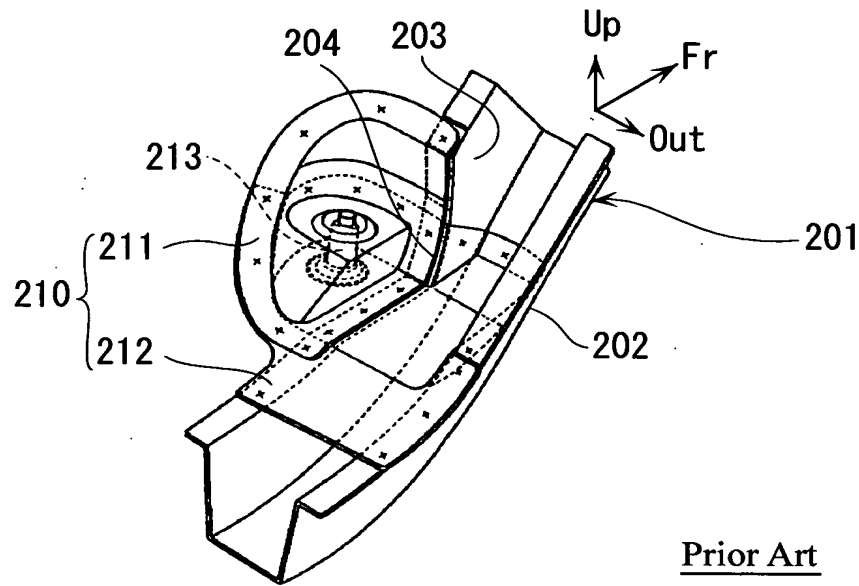


FIG.8B

